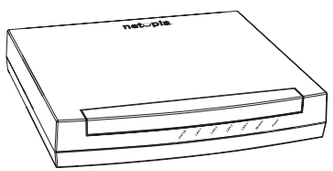
Netopia® 4686-XL Cable/DSL Router

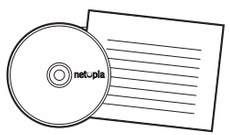
Quickstart Guide

Checklist

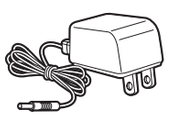
Check your package contents:



Netopia Router



CD & Quickstart Guide



Power Supply

Gray RJ-45 Modem Cable

Yellow RJ-45 Ethernet Cable

Set up your Router

1. After unpacking your Netopia Router shipping carton, decide where you want to locate the Router.

You should install the Router near your PC or another location that permits easy access and visibility. You can lay the Netopia Router flat or mount it on a wall. Make sure any Ethernet cables are kept away from power cords, fluorescent lighting fixtures, and other sources of electrical interference. Put the Router in a location where air can circulate freely around it.

2. Connect the power transformer to the power jack on the Router back panel. Plug the power transformer into an appropriate electrical outlet. Turn the power ON with the power switch.

The Power light should come on solid green.

3. Connect the Router to the Ethernet jack on your cable modem or DSL modem.

Be sure your DSL or cable modem is installed according to its instructions, and connected to its appropriate wall jack. Insert one end of the gray modem cable in the ***Modem*** port on the Netopia Router back panel. Insert the other end of the modem cable into the Ethernet jack on your DSL or cable modem.

The Modem indicator light should come on solid green.

4. • Connect the Router to create your Ethernet local area network (LAN.)

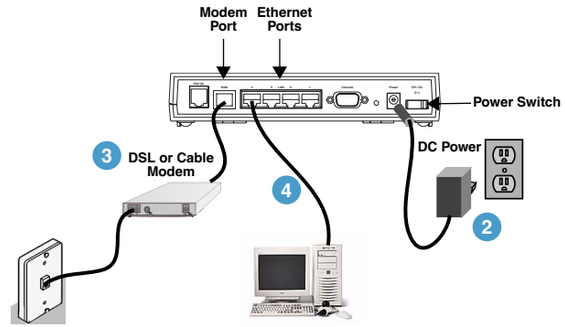
• Connect each computer or other device to the Router using standard Ethernet cables. (A yellow Ethernet cable is supplied.) If you have more than four devices to connect, you can connect an Ethernet hub or switch to one of the 4686-XL's switch ports, and connect your remaining devices to the Ethernet hub or switch.

• An Ethernet light should come on solid green for each connected Ethernet port.

• Each computer should be configured to obtain its IP address via DHCP from the 4686-XL. See **"Configure Your PC for Dynamic Addressing"** on page 4.

Note: *You need not connect the Dial Up port or the Console port at this time. You may wish to connect them later. See the Getting Started Guide on your Netopia CD for instructions.*

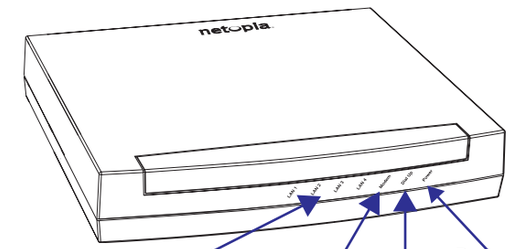
4686-XL Rear View



• If your PC needs to have its network settings changed, proceed to **"Configure Your PC for Dynamic Addressing"** on page 4.

When all of your connections are made, the status LEDs on the front of your Netopia Router will light, according to the following diagram:

4686-XL Front View



LAN 1, 2, 3, 4 -
Solid green when connected.
Flash green when there is activity on the LAN.

Modem -
Solid green when connected.
Flashes green for activity on the modem port.

Dial Up -
Flashes green when there is activity on the internal modem.

Power -
Green when power is on.

Configure Your PC for Dynamic Addressing

The following instructions assume that you want to use the automatic configuration and address sharing features of the Router to provide IP information to devices on your local Ethernet network.

Configure your computer to use an IP address on the same TCP/IP network as the Netopia Router.

Microsoft Windows: Step 1. Navigate to the TCP/IP Properties Control Panel.

a. Some Windows versions follow a path like this:	***Start*** menu ⟶ ***Settings*** ⟶ ***Control Panel*** ⟶ ***Network*** (or ***Network and Dial-up Connections*** ⟶ ***Local Area Connection*** ⟶ ***Properties***) ⟶ ***TCP/IP [your_network_card]*** or ***Internet Protocol [TCP/IP]*** ⟶ ***Properties***
b. Some Windows versions follow a path like this:	***Start*** menu ⟶ ***Control Panel*** ⟶ ***Network and Internet Connections*** ⟶ ***Network Connections*** ⟶ ***Local Area Connection*** ⟶ ***Properties*** ⟶ ***Internet Protocol [TCP/IP]*** ⟶ ***Properties***

Then go to Step 2.

Step 2. Select *Obtain an IP address automatically.*

Step 3. Select *Obtain DNS server address automatically*, if available.

Step 4. Remove any previously configured Gateways, if available.

Step 5. OK the settings. Restart if prompted.

- Proceed to the next section **"Configure Your Netopia Router"**.

Macintosh MacOS 9.2 and higher or Mac OS X 10.1.5 or higher: Step 1. Access the TCP/IP or Network control panel.

a. MacOS follows a path like this:	***Apple*** Menu ⟶ ***Control Panels*** ⟶ ***TCP/IP*** Control Panel
b. Mac OS X follows a path like this:	***Apple*** Menu ⟶ ***System Preferences*** ⟶ ***Network***

Then go to Step 2.

Step 2. Select *Built-in Ethernet* (or *USB*, if using USB)

Step 3. Select *Configure Using DHCP*

Step 4. Close and Save, if prompted.

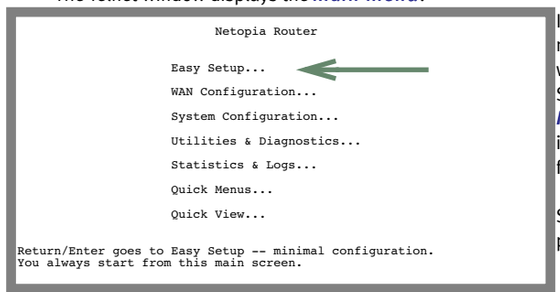
- Proceed to the next section **"Configure Your Netopia Router"**.

Configure Your Netopia Router

1. Run a Telnet application from the computer on the same network as the Router.

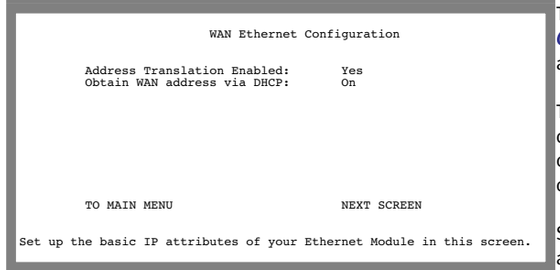
- Windows users click on the ***Start*** menu, select ***Run***, and in the resulting entry box, type "`telnet 192.168.1.1`" (without the quotes).
- Macintosh OS X users launch the ***Terminal*** application, either from the Dock or from the Utilities folder, and type "`telnet 192.168.1.1`" (without the quotes).
- Classic Macintosh OS users need to install the *NCSA Telnet* application, included on the Netopia CD. Then launch NCSA Telnet and type "`telnet 192.168.1.1`" (without the quotes).

The Telnet window displays the ***Main Menu***.



In the Telnet screens, move from field to field with the arrow keys. Select items with the ***Return*** key, and toggle items with the ***Tab*** key followed by ***Return***.

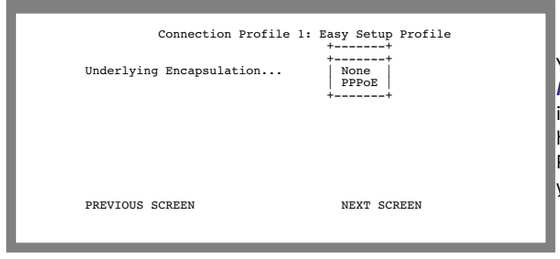
Select ***Easy Setup*** and press ***Return***.


WAN Ethernet Configuration
Address Translation Enabled: Yes
Obtain WAN address via DHCP: On
TO MAIN MENU
NEXT SCREEN
Set up the basic IP attributes of your Ethernet Module in this screen.

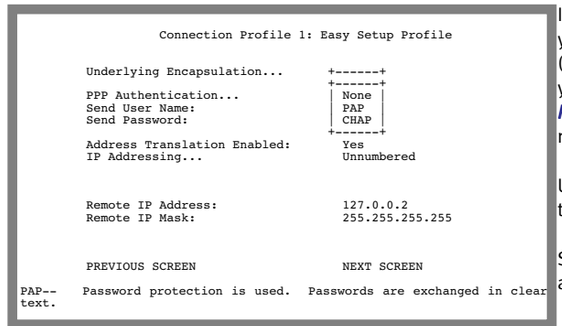
The ***WAN Ethernet Configuration*** screen appears.

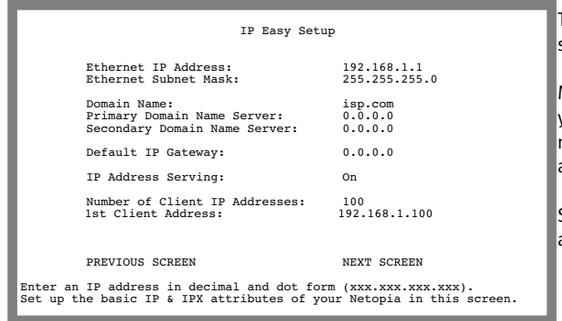
The settings are common defaults. You need only change them if your ISP directs you to.

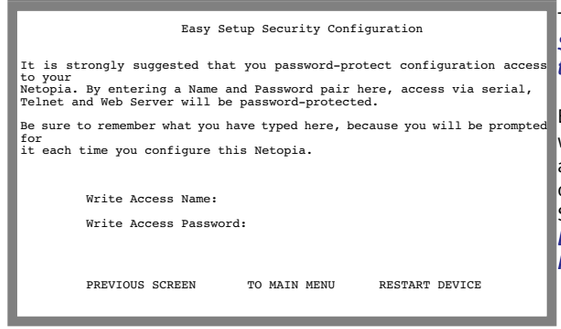
Select ***NEXT SCREEN*** and press ***Return***.



You may need to select ***PPPoE*** as the Underlying Encapsulation if you have a User Name and Password to connect to your ISP.




IP Easy Setup
Ethernet IP Address: 192.168.1.1
Ethernet Subnet Mask: 255.255.255.0
Domain Name: isp.com
Primary Domain Name Server: 0.0.0.0
Secondary Domain Name Server: 0.0.0.0
Default IP Gateway: 0.0.0.0
IP Address Serving: On
Number of Client IP Addresses: 100
1st Client Address: 192.168.1.100
PREVIOUS SCREEN
NEXT SCREEN
Enter an IP address in decimal and dot form (xxx.xxx.xxx.xxx).
Set up the basic IP & IPX attributes of your Netopia in this screen.


Easy Setup Security Configuration
It is strongly suggested that you password-protect configuration access to your
Netopia. By entering a Name and Password pair here, access via serial, Telnet and Web Server will be password-protected.
Be sure to remember what you have typed here, because you will be prompted for
it each time you configure this Netopia.
Write Access Name:
Write Access Password:
PREVIOUS SCREEN
TO MAIN MENU
RESTART DEVICE

If using ***PPPoE*** select your Authentication Type (usually PAP) and enter your ***User Name*** and ***Password*** in their respective fields.

Usually, you can accept the other defaults.

Select ***NEXT SCREEN*** and press ***Return***.

The ***IP Easy Setup*** screen appears.

Make any changes that your ISP requires. (You may not need to change anything.)

Select ***NEXT SCREEN*** and press ***Return***.

The ***Easy Setup Security Configuration*** screen appears.

Enter a name and password that will limit access to the Router's configuration screens. Select ***RESTART DEVICE*** and press ***Return***.

The Netopia Router will then restart and your settings will take effect.

Congratulations! Your installation is complete. For more advanced configuration features, refer to the on-line *Getting Started Guide* on your Netopia CD and the *Firmware User's Guide* on the Netopia website.

If you have any questions or encounter problems with your Netopia Router, contact your service provider's technical support helpdesk. Answers to many frequently asked product-related questions are also available on-line at: ***http://www.netopia.com/support***

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